

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims

1. (Currently Amended) A wireless communication system comprising:

a wireless LAN access point connected to ~~a public wireless access~~ an external network;

a first mobile communication terminal having a first wireless LAN interface and connectable to the wireless LAN access point ~~and having a~~ by way of the first wireless LAN interface; and

a second mobile communication terminal connectable to the ~~public wireless access network, connectable to the first mobile communication terminal~~ external network by way ~~of the first wireless LAN~~ of a base station connectable to a mobile communication interface and having a second wireless LAN interface, connectable to the wireless LAN access point, wherein

~~characterized in that~~

the first mobile communication terminal includes:

~~a communication status detecting means that detects the strength of the received signal from the wireless LAN access point and/or the status of communication with the wireless LAN access point;~~

a connection request transmitting means for transmitting a connection request signal to the second mobile communication terminal

by way of the wireless LAN access point ~~and the public wireless access network when the communication status detecting means recognizes the necessity of connection to the second mobile communication terminal by way of the first wireless LAN interface and the second wireless LAN interface;~~ and

a wireless LAN connection switching means for establishing connection to the second wireless LAN interface of the second mobile communication terminal ~~when the communication status detecting means determines that communication with the second mobile communication terminal by way of the second wireless LAN interface will be permitted~~ after transmitting the connection request signal, and

the second mobile communication terminal includes:

a connection request receiving means for receiving the connection request signal; and

a base station connecting means which establishes connection to ~~the public wireless access network and validates the second wireless LAN interface upon reception of the connection request signal~~ base station by way of the second communication terminal upon and after reception of the connection request signal, so as to enable its connection to the base station with the first mobile communication terminal by way of the ~~first wireless LAN interface and the second wireless LAN interface~~ second communication terminal.

2. (Currently Amended) The wireless communication system according to Claim 1, wherein

the first mobile communication terminal further includes a communication status detecting means that detects the strength of the received signal from the wireless LAN access point and/or the status of communication with the wireless LAN access point;

the second wireless LAN interface of the second mobile communication terminal has a wireless LAN access point or wireless LAN client function, and

when the communication status detecting means determines that the first mobile communication terminal can be connected by means of the wireless LAN access point or wireless LAN client function of the second mobile communication terminal, ~~the wireless LAN connection switching means~~ establishes connection to the wireless LAN access point or wireless LAN client function of the second mobile communication terminal, in infrastructure mode or in ad hoc mode.

3. (New) A mobile communication terminal comprising:

a first communication interface using a communicable communication system by way of an access point, wherein

a connection request signal is transmitted to another mobile communication terminal by way of the first communication interface based on a predetermined condition, thereafter data transmission to communication terminals not under control of the access point is performed by way of said first communication interface and said other mobile communication terminal, not by way of said access point.

4. (New) The mobile communication terminal according to claim 3, wherein the predetermined condition includes a condition of one of received signal strength from the access point is lower than a threshold value, and data transfer rates indicating communication status to the access point is lower than the threshold value.

5. (New) The mobile communication terminal according to claim 3, wherein after transmitting the connection request signal, the first communication interface communicates with said other mobile communication terminal by way of a network, different from the network controlled by said access point.

6. (New) The mobile communication terminal according to claim 5, wherein the communication system is a wireless LAN and said network is configured in one of in ad hoc mode and in infrastructure mode, and said other mobile communication terminal is the access point.

7. (New) A mobile communication terminal comprising:
a communication interface using a first communication system communicable by way of an access point; and
a mobile communication interface communicable by way of a base station utilizing a second communication system, different from the first communication system, wherein
when a connection request signal is received by way of one of the communication interface and the mobile communication interface from another mobile communication

terminal, thereafter data to communication terminals not under control of the access point and transmitted from said other mobile communication terminal is transmitted by way of the mobile communication interface and the base station.

8. (New) The mobile communication terminal according to claim 7, wherein
when the connection request signal is received from said other mobile communication terminal, connection to the base station is established by way of the mobile communication interface.

9. (New) The mobile communication terminal according to claim 7, wherein
when the connection request signal is received, data from the mobile communication terminal, which has transmitted the connection request signal, is received after reconstructing a network to which the communication interface connects by itself.

10. (New) The mobile communication terminal according to claim 9, wherein
the communication system used by the communication interface is a wireless LAN, and

reconstructing a network is one of switching from infrastructure mode to ad hoc mode, and switching from infrastructure mode constructed by another access point to infrastructure mode which becomes the access point by itself.